STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/569,330_

Source: _/FWP,_

Date Processed by STIC: _12/29/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/569,330_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics **Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____Invalid Line Length The rules require that a line **not exceed 72 characters** in length. This includes white spaces.

3____Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4____Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5____Variable Length Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7____Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8____Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10____Invalid <213> Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11____Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules .

12____PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____ Misuse of n/Xaa "n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>

RAW SEQUENCE LISTING   DATE: 12/29/2006
PATENT APPLICATION: US/10/569,330   TIME: 15:38:03

Input Set : A:\L7350.0006 SEQUENCE LISTING.TXT
Output Set: N:\CRF4\12292006\J569330.raw

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 4        AMANO, Tetsuya
 5        TSUCHIMOCHI, Kaneyuki
 6        YAMAZAKI, Satoshi
 7        YAGISHITA, Naoko
 9 <120> TITLE OF INVENTION: Synoviolin promoter
11 <130> FILE REFERENCE: L7350.0006
13 <140> CURRENT APPLICATION NUMBER: 10/569,330
14 <141> CURRENT FILING DATE: 2006-02-21
16 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/012424
17 <151> PRIOR FILING DATE: 2004-08-23
19 <150> PRIOR APPLICATION NUMBER: JP2003-297913
20 <151> PRIOR FILING DATE: 2003-08-21
22 <160> NUMBER OF SEQ ID NOS: 13
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 3046
28 <212> TYPE: DNA
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31 <400> SEQUENCE: 1
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36 gagtgctggg attaaaggta ggcgccacca cgcccagctt tttttttttt agataggatc     180
38 tcactctata gctgtacgct ggcctcagat ttatgatgct cttcctgcct cagtctccca     240
40 attttctggg attgtaggag tgggccacta tgctctgctc actacatgat ttcagaggtt     300
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54 ggggcagaca ggcactgaca ctgctaccct ttaatacagt tcctcctgtt gtgatcccca     720
56 accataatta cttcgttgct acttcataac tgtaattttg ctagttatga attgtaagta     780
58 aacgtctgat atgcaggata tctcatttgt gacccctgtg taacggtttg attcccaaag     840
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62 ctttcttttt tgacagacaa gatgtttaat tccgttgtac tgaaggaaag ccattttatg     960
64 tatttttctt aagtgctcta tcagtaatga caattctgaa agccctgtg ttatattta     1020
66 acaacacagt cacctccggt tctgtattca ctgtccgtgt tgtgactccc acagtataaa    1080
68 ttcctccagt tgatcttcat gaattcttat atttgatccc ccccccctt aggcctctga     1140
70 attccgagtg agtccgagtt aaaaatggga ggagcaccct ctagctgata aacctgggta    1200
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74 acagacagaa tcagctcaga acaaagggtc tggctatctc ccagggatga acacgcacgc    1320
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 82 ctcagctggc atccagctgc cttggcaccc agtccggggc cactctgcct acagacccta   1560
 84 gcaaccactc acctgctttt cttttccctat aggccagaaa ttttcctttt cttttctcat   1620
 86 tggtccgcgt aactttatcg caaccaatcg gcggtacacg ggaacaaact cactcctaca   1680
 88 caacctgcgt tggggggagg taacctggga agacctatat ctgttttctg caccgctatt   1740
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 92 acacatttta tttctttcat gcctgacata aagtctggcc cttgctcgct cctgcccccc   1860
 94 gtccaaatgg ctcggcccgc ggaacgccca tcttccaggc acattgagag ccggagtctt   1920
 96 ggagggagtt tagggtggtg attctacaac ggcgactagc aagtggcggg cttcagccct   1980
 98 ttcccgctgc tctcctggtc gcgaccacac gtcacagctc tcgctcgttc cggttgctcg   2040
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102 actccgccgc gccccgcgcc gccggaagtg aggtgtctta cccccgaagt tccggttcgc   2160
104 aggggggtggg gagtgttgtt aaccggagcg gctgccgcag tcgcggtgat tgagcgtgct   2220
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130 aaatgagtgt ttgcccttac actctgccag ggactgtgct aggtttacat agtgtggata   3000
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153 gatgcccgtt tccggagctg gggtgcagac agtgtctagg gacactgaac tgttttaaaa    420
155 gcaggataga tcccggctgg agaccacaca aggaaatcat cagcacctgg gtcaggggct    480
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163 attggatgca gtcactagaa agttacagat aggcaaggtg ttgtggctca cgcctgtaat    720
165 cccaacacct tgtggggctg aggtgggagg atcgcttgag cccgggaggt cgaggctgca    780
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177 ccctagctca taaaccttag tgattgatga ttaaatgaga tgacggagga aaacgcaagg   1140
179 cacaaagtgg atgcattagc tccattttgt taatcagcag gcttagttgg ctgcgaccca   1200
181 gacacgaact aaaatacagt gcagcccagg accagtgggg gtcttgctta tggctcagag   1260
183 ctgaacaaca catgggcagc aaaatcagac actgagatgc gggcaggcct gcgacgctga   1320
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201 ccctggccta ctccccgctc caggtggtac agcccgcaag cggctcccct tcccagctgc   1860
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211 cccacgccgc gccccgcgcc gccggaagtg aggtgtctga cccccgaagt tccggttcgc   2160
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243 tcttgcccca tgcaggtctc cgggccaggg ca                                  3092
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247 <211> LENGTH: 19
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial
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252 <223> OTHER INFORMATION: synthetic DNA
254 <400> SEQUENCE: 3
255 gcgccgccgt aagtgaggt                                                   19
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Output Set: **N:\CRF4\12292006\J569330.raw**

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303 gcgccgccgt aagtga                                                  16
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307 <211> LENGTH: 101
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
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317 <210> SEQ ID NO: 9
318 <211> LENGTH: 101                 musculus
319 <212> TYPE: DNA
320 <213> ORGANISM: Mus (musclus)
322 <400> SEQUENCE: 9
323 actccgccgc gccccgcgcc gccggaagtg aggtgtctct accccgaag ttccggttcg    60
325 caggggtgg ggagtgttgt taaccggagc ggctgccgca g                       101
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Output Set: **N:\CRF4\12292006\J569330.raw**

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363  <220> FEATURE:
364  <223> OTHER INFORMATION: mutant
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367  gccaagcccc                                                      10
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insufficient explanation
(give source of genetic material)
see item 11 on Error Summary Sheet

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/29/2006
PATENT APPLICATION: **US/10/569,330**   TIME: 15:38:04

Input Set : **A:\L7350.0006 SEQUENCE LISTING.TXT**
Output Set: **N:\CRF4\12292006\J569330.raw**

<u>Invalid <213> Response:</u>
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,11,13

VERIFICATION SUMMARY   DATE: 12/29/2006
PATENT APPLICATION: US/10/569,330   TIME: 15:38:04

Input Set : **A:\L7350.0006 SEQUENCE LISTING.TXT**
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